CONTENTS

Vol. 146, No. 1, May 1985

THP-ADM in the treatment of acute promyelocytic leukemia. *Y. Uzuka and Y. Saito* 1

Nuclear changes in colo-rectal epithelium with special reference to nuclear inclusions in carcinoma, dysplasia, adenoma and Peutz-Jeghers polyps. *E. Sato, M. Goto and T. Saku* 9

Studies on the changes of serum bilirubin level after surgery in biliary atresia. *T. Chiba, I. Mochizuki, M. Hanamatsu, R. Ohi and M. Kasai* 17

Immunohistochemical localization of carcinoembryonic antigen in adenocarcinoma of the endocervix and the endometrium. *T. Toki, N. Oikawa, T. Tase, Y. Wada, A. Yajima and M. Suzuki* 27

Comparison of cell profiles of bronchial and bronchoalveolar lavage fluids between normal subjects and patients with idiopathic pulmonary fibrosis. *S. Yasuoka, T. Nakayama, T. Kawano, F. Ogushi, H. Doi, H. Hayashi and E. Tsubura* 33

Secretion of glucagon in liver cell carcinoma. *A. Ohneda, T. Kobayashi, J. Nihei and T. Sakai* 47

Clinical and endocrinological features of statistical clusters of women with climacteric symptoms. *T. Abe, M. Suzuki, Y. Wada, Y. Yamaya and T. Moritsuka* 59

Diagnosis of adrenoleukodystrophy using dried blood spots. *Y. Ishikawa, R. Minami and T. Nakao* 69

Particular cases of Cushing's syndrome —— One with adrenocortical carcinoma and the other with double adenomas ——. *K. Yoshikawa, H. Yamaguchi, M. Ojima, T. Masuda and N. Sasano* 73

Urinary glycosaminoglycans bearing glucuronic acid or iduronic acid residue at the reducing terminals. *M. Majima, T. Nakamura and M. Endo* 83

Antitumor effect of the yeast polysaccharide preparation in syngeneic mouse tumor models. *N. Kumano, S. Suzuki, T. Ishikawa, S. Koinumaru and K. Konno* 89

Antitumor effect of the organogermanium compound Ge-132 on the Lewis lung carcinoma (3LL) in C57BL/6 (B6) mice. *N. Kumano, T. Ishikawa, S. Koinumaru, T. Kikumoto, S. Suzuki, Y. Nakai and K. Konno* 97

Invasion of *Haemophilus influenzae* and *Pseudomonas aeruginosa* in humans. *H. Suzuki, S.S. Juwono and K. Matsumoto* 105

Short Report

Motor time of the rectus femoris under loading of different weights. *I. Tsuji, H. Nagasaki and R. Nakamura* 119

Late pulmonary response in guinea pigs after ascaris challenge. *T. Takishima, K. Yamauchi, M. Ishii, C-L. Chao, H. Iijima, S. Shimura, Y. Shindoh, H. Inoue and S. Mue* 121

Vol. 146, No. 2, June 1985

Studies on cholesterol esterase in cultured rabbit smooth muscle cells. *T. Nishide, N. Sasaki, K. Shirai, Y. Saito and S. Yoshida* 123

ApoE-2/E-3 ratio of very low density lipoprotein in diabetes mellitus. *R. Sano, R. Abe, S. Oikawa, Y. Fujii and T. Toyota* 131
Response properties of prefrontal visual neurons in the awake monkeys. *M. Azuma* 137
Increase in blood pressure in pheochromocytoma induced by domperidone and metoclopramide. *S. Ichikawa, Z. Ono, M. Arai and K. Murata* 149
Insulin, glucagon and somatostatin content of the non-obese diabetic (NOD) mouse pancreas and plasma virus antibodies to coxsackie B- and reoviruses. *Y. Tasaka, Y. Inoue, K. Marumo, Y. Mizuno, Y. Hirata and Y. Akao* 153
Semiquantitation of ABH antigens specific for red blood cells. *K. Sagisaka, T. Yokoi, T. Kudo and M. Noguchi* 163
Evidence for direct effect of growth hormone on capillary basement membrane thickness. *S. Oikawa, Y. Maruhama and Y. Goto* 167
A further study on the polymorphism of placental alkaline phosphatase in Japanese. *M. Oya, R. Shibata, A. Kido and N. Komatsu* 175
Complementation analysis of β-galactosidase deficiency by means of histochemical method. *R. Minami, K. Wagatsuma, Y. Ishikawa, M. Watanabe, T. Kusano, T. Nakao and S. Tsugawa* 181
Polymorphism of placental phosphoglucomutase in Japanese. *M. Oya, R. Shibata, A. Kido and N. Komatsu* 189
Decreased binding of insulin to erythrocytes in myotonic dystrophy. *K. Sakai, S. Takase, K. Kumagai and F. Shimizu* 193
Glycosidase activities in the rat liver microsomes. *H. Kosaka, M. Isemura, Z. Yosizawa and T. Ono* 201
Alternations of liver pathophysiology in experimental hepatic failure treated by two forms of plasma purification procedure. *K. Ouchi, K. Okabe, Y. Asanuma K. Koyama and T. Sato* 211
Exposure concentration versus environmental concentration: A field survey in organic solvent workplaces. *M. Ikeda and T. Ohtsuki* 225
Effects of prostaglandin E_1 infusion in the pre-operative management of critical congenital heart disease. *T. Ohara, H. Ogata, J. Fujiyama, Y. Murata, J. Abe, K. Kakuta, S. Hayamizu, S. Kameyama and Y. Yoshida* 237
Short Report
Evaluation of sequential glucose metabolism in cerebral ischemia using a chrono-autoradiographic method. *M. Tobita, K. Kogure, H. Sato, H. Ohtomo, K. Kawashima and T. Ido* 251

Vol. 146, No. 3, July 1985

Serum zinc and copper concentrations in low birth weight infants during first three months of life: correlation to birth weight and different feedings. *A. Higashi, I. Matsuda, T. Masumoto, H. Saikusa, M. Yabuso and Y. Oka* 253
Relationship between pelviureteral peristaltic frequency and urine flow change evoked by autonomic drug administration. *T. Morita, T. Suzuki, S. Kondo, H. Saeki, T. Nishimoto and S. Tsuchida* 265
Changes in the ureteral peristaltic rate and the bolus volume in gradual and rapid urinary frow increase. *H. Saeki, T. Morita, T. Nishimoto, S. Kondo and S. Tsuchida* 273
Treatment of subacute sclerosing panencephalitis with human leukocyte interferon. *N. Mizutani, M. Miyazu, M. Maehara, S. Isomura, K. Watanabe and J.*

Imanishi 277
Electric drill nephroscope for percutaneous nephroureterolithotomy. *M. Uchida, K. Kondoh, M. Saitoh and H. Watanabe* 285
Determination of free triiodothyronine in serum: comparison of radioimmunoassay with equilibrium dialysis method. *T. Nomura, T. Sakurada, K. Yoshida, K. Yonemitsu, Y. Itagaki, M. Suzuki, H. Fukazawa, N. Kaise, K. Kaise, M. Yamamoto, S. Saito and K. Yoshinaga* 289
Alteration in glycosidases from well-differentiated colorectal adenocarcinoma of rat. *M. Kosakai, M. Isemura, H. Munakata and Z. Yosizawa* 303
Angiocardiographic estimation of left and right ventricular volume characteristics in normal infants and children. *T. Akiba, M. Yoshikawa, M. Kinoda, S. Otaki, K. Ishii, Y. Kobayashi and T. Sato* 313
The functional significance of human notochord in the development of vertebral column. an electron microscopic study. *T. Murakami, E. Wakamatsu, N. Tamahashi and T. Takahashi* 321
Modified anti-C3 immune complex assay which avoids interference by anti-F(ab′)$_2$ antibodies. *K. Fukuda, J. Seino, Y. Kinoshita, K. Sudo, I. Horigome, T. Furuyama and K. Yoshinaga* 337
Estimation of fetal weight by ultrasonic measurement of several fetal growth parameters. *A. Sato, S. Liou, Y. Yamaguchi, M. Sato and M. Suzuki* 349
Vascular responsiveness of isolated, perfused basilar arteries in dogs and monkeys. *S. Chiba and T. Tsuji* 363

Short Reports

Effects of dobutamine on cyclic AMP content in canine upper urinary tract tissue. *S. Kondo, H. Saeki, T. Morita, S. Tsuchida, H. Shima and Y. Tashima* 371
In vivo clastogenicity of lead chromate in mice. *M. Watanabe, Y. Takayama, M. Koike and M. Yamamoto* 373
A case of postoperative liver failure successfully treated with plasma exchange. *J. Chiba, Y. Asanuma, S. Matsubara, M. Sunamura, T. Matsuo, Y. Miura, K. Koyama and T. Sato* 375
T-lymphocyte subpopulations in hemophiliac patients. *N. Funakoshi, T. Kanoh, H. Uchino and K. Yasunaga* 377

Vol. 146, No. 4, August 1985

Immunomodulation in offspring mice after neonatal immunostimulation of mothers or newborn mice. *P. Binder, F. Gendre, B. Huart, J.-C. Paucod, P. Deschaux and R. Fontanges* 379
Effect of carteolol, indenolol and metoprolol on the thyroid hormone of hyperthyroid patients. *M. Yamamoto, T. Sakurada, K. Yoshida, K. Kaise, N. Kaise, H. Fukazawa, M. Suzuki, T. Nomura, Y. Itagaki, S. Saito and K. Yoshinaga* 385
Reducing terminals of urinary chondroitin sulfate. *H. Matsue, K. Takagaki, K. Honda and M. Endo* 391
Abolition by nicorandil of spontaneous action potentials of the small atrioventricular node preparation of the dog. *T. Iijima and N. Taira* 401
Distribution pattern of liver matrix proteins, fibronectin and type I collagen, in DAB-induced hepatoma of rat. *Y. Katsukura, N. Abe, N. Watabe and T. Tsuchiya* 405
Changes in the immunological parameters after a single dose of forphenicinol, a new small molecular immunomodifier. *N. Kumano, Y. Nakai, T. Ishi-*

kawa, S. Koinumaru, S. Suzuki, K. Oizumi and K. Konno 419
Flow cytometric DNA analysis of human endometrial carcinoma. *T. Tase, T. Toki, N. Oikawa, Y. Wada, A. Yajima and M. Suzuki* 429
Response of extrapancreatic glucagon to gastrointestinal hormones in pancreatectomized dogs. *A. Ohneda, T. Kobayashi and J. Nihei* 439
Circulating immune complex-like materials which bind to heat inactivated Clq interfere with the Clq solid phase assay for immune complexes. *K. Fukuda, J. Seino, Y. Kinoshita, K. Sudo, I. Horigome, T. Saito, T. Furuyama and K. Yoshinaga* 449
Glycosaminoglycans in brush border membranes from rabbit small intestine. *H. Munakata, M. Isemura and Z. Yosizawa* 457
Sulfated glycopeptides from middle ear effusions of secretory otitis media. *J. Aikawa, H. Munakata, M. Isemura, Z. Yosizawa, K. Tada, M. Suzuki and T. Sakurai* 461
Extramedullary plasmacytoma of the parotid gland: report of a case and review of the literature. *T. Kanoh, N. Hattori, H. Uchino, A. Fujita, M. Ohmura and K. Makimoto* 469
Short Reports
A device for indirect measurement of blood pressure in conscious dogs. *D. Horii and T. Higuchi* 479
A human atypical rotavirus found in an Ecuador infant with diarrhea. *H. Suzuki, T. Sato, S. Kitaoka, F. Tazawa, T. Konno, Y. Amano, A.A. Alprecht, E.G. Vera, J.L. Villalta, Y. Numazaki and N. Ishida* 481
Absence of autoantibodies against neurofilament proteins in the sera of scrapie infected mice. *T. Tsukamoto, H. Diringer and H. Ludwig* 483
Proceedings of the sixth international congress of virology satellite symposium. 485